



# Minnesota Ag News – Crop Weather

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COOPERATING WITH THE MN DEPARTMENT OF AGRICULTURE, NATIONAL WEATHER SERVICE - CHANHASSEN MN,  
UNIV. OF MINN. EXTENSION SERVICE, DNR STATE CLIMATOLOGY OFFICE, USDA-FSA, AND USDA-NRCS

## SMALL GRAINS START TO RIPEN

Small grains started ripening this past week, well behind last year and the 5-year average pace, according to USDA, NASS, Minnesota Field Office. Warm weather across the state continued to aid small grain development with nearly three quarters of the crop reaching the heading stage. Adequate topsoil moisture supplies across the northwest district have helped improve the crop condition rating in dry beans, sunflowers, and canola.

The average temperature for the week was 68.9°, 0.8° below normal. Statewide topsoil moisture supplies as of Friday, July 11<sup>th</sup> were 6 percent very short, 24 short, 66 adequate, and 4 surplus. Statewide, on average, there were 5.8 days suitable for fieldwork during the week.

As of Sunday, July 13<sup>th</sup>, the average corn height was estimated at 46 inches compared to 72 inches last year and 59 inches for the 5-year average. The average height of soybeans was 13 inches compared to 19 inches last year and 16 inches for the 5-year average. Twenty-eight percent of soybeans were blooming compared to 59 percent last year and 45 percent average.

Spring wheat was 4 percent ripening compared to 35 last year and 22 average. Oats were 13 percent ripening compared to 67 last year and 41 average. Barley was 5 percent ripening compared to 49 last year and 28 average.

As of Friday, July 11<sup>th</sup>, 71 percent of corn and 69 percent of soybeans were rated in good or excellent condition.

Seventy-three percent of spring wheat, 77 percent of oats, and 73 percent of barley were rated in good or excellent condition.

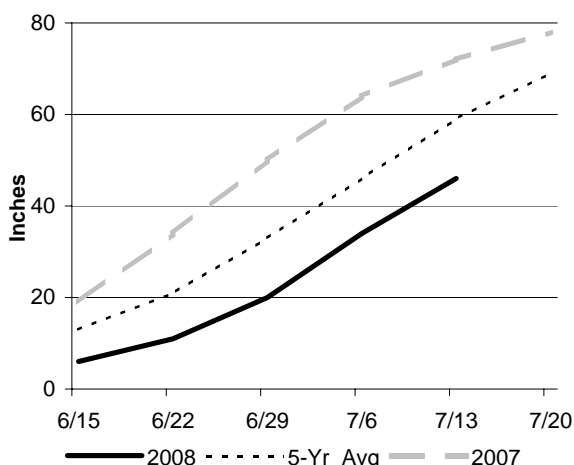
Sixty-one percent of dry beans, 74 percent of sunflowers, 77 percent of canola, and 61 percent of pasture were rated in good or excellent condition.

Days Suitable for Fieldwork: 5.8				
	Very Short	Short	Adequate	Surplus
	----- Percent -----			
Topsoil Moisture	6	24	66	4

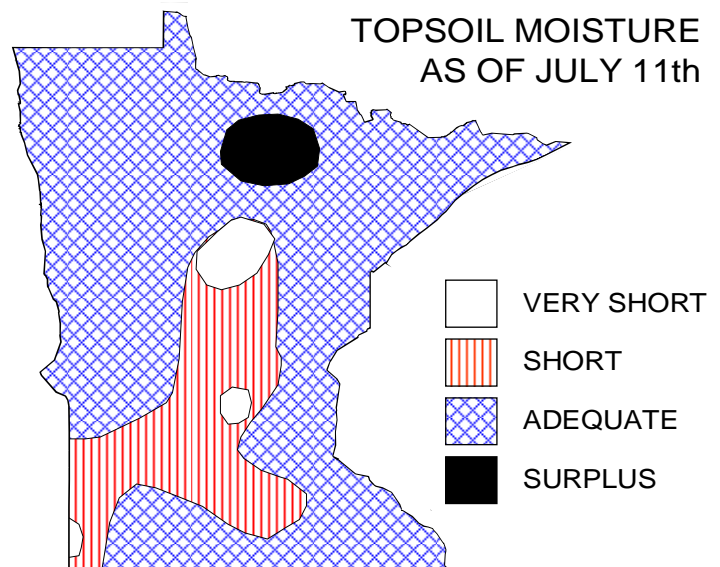
Crop Progress as of July 13, 2008					
Crop	Stage of Development	This Week	Last Week	Last Year	5 Yr Avg
		----- Percent -----			
Corn	Height (inches)	46	34	72	59
	Silking	2	0	52	19
Soybeans	Height (inches)	13	9	19	16
	Blooming	28	9	59	45
Spring Wheat	Jointing	96	91	100	99
	Heading	75	56	99	93
	Ripening	4	N/A	35	22
Oats	Jointing	99	94	100	99
	Heading	86	70	99	94
	Ripening	13	N/A	67	41
Barley	Jointing	95	88	100	98
	Heading	72	56	99	92
	Ripening	5	N/A	49	28

Crop Condition as of July 11, 2008					
	Very Poor	Poor	Fair	Good	Exc
	----- Percent -----				
Corn	2	4	23	58	13
Soybeans	2	4	25	58	11
Spring Wheat	1	2	24	54	19
Oats	0	2	21	62	15
Barley	1	1	25	58	15
Potatoes	0	1	14	61	24
Sugarbeets	1	2	32	53	12
Dry Beans	1	2	36	54	7
Sunflowers	1	3	22	56	18
Canola	0	1	22	59	18
Pasture	4	7	28	55	6

CORN HEIGHT  
JUNE 15 - JULY 20



TOPSOIL MOISTURE  
AS OF JULY 11th



PRECIPITATION AND TEMPERATURES FOR THE WEEK ENDING July 13, 2008:  
Temperatures averaged from 3.8 degrees below normal in the Northeast District to 1.2 degrees above normal in the Southwest District. Extremes: 42 degrees in Hibbing, 96 degrees in Canby. Precipitation averaged from 0.74 inch below normal in the Southwest District to 1.16 inches above normal in the Southeast District. Greatest weekly total was 2.64 inches recorded in Winona.

For a map of Minnesota's precipitation, please see the Minnesota Climatology Group's website; <http://climate.umn.edu/doc/weekmap.asp>.

Precipitation and Temperature Summary for 7/7/2008 through 7/13/2008

	Temperature				Precipitation				G D D	
	High	Low	Week Ave	Depart from Norm	Week Total	Depart Past Week	From Four Weeks	Norm Since 4/1	Since May 14	Depart from Norm
<u>NW DIST 1</u>										
Crookston	86	51	65.9	-3.3	.70	-.02	-1.58	-1.97	766	-161
Moorhead	91	55	70.0	-.2	1.02	.34	-.69	2.30	873	-93
Warroad	79	51	62.6	-4.4	1.57	.71	.32	1.76	690	-115
<u>NC DIST 2</u>										
Grand Rapids	80	49	64.2	-3.2	.88	-.20	-2.61	2.53	760	-59
Intl. Falls	73	43	59.0	-6.9	2.61	1.82	.83	4.23	615	-147
Itasca	85	48	65.0	-.8	.99	.09	-1.47	4.53	681	-75
<u>NE DIST 3</u>										
Duluth	76	47	60.7	-4.5	1.28	.32	-1.75	1.87	642	-36
Grand Marais	78	45	57.4	-2.1	1.03	.25	.61	8.31	384	-41
Hibbing	78	42	60.8	-4.9	1.41	.30	-.87	1.89	621	-110
<u>WC DIST 4</u>										
Alexandria	91	55	69.3	-.6	1.67	.92	-.89	-.21	822	-101
Browns Valley	93	52	72.4	.4	.38	-.42	-2.09	3.03	884	-139
Canby	96	58	75.5	2.5	0	-.80	-3.22	-.72	975	-105
Fergus Falls	92	53	71.8	2.1	1.70	.93	-.71	2.45	814	-122
Montevideo	93	53	71.6	-.2	0	-.80	-3.23	-1.23	928	-105
Morris	92	54	71.3	.4	.09	-.82	-2.97	-.90	864	-141
<u>CENT DIST 5</u>										
Becker	92	54	71.8	2.2	1.05	.09	-2.20	1.21	925	4
Collegeville	92	55	71.0	-1.0	.49	-.35	-2.36	2.21	952	-91
Hutchinson	92	54	72.3	.2	.69	-.17	-2.28	-.51	962	-92
Olivia	94	52	71.4	.1	.55	-.28	-2.37	-.36	903	-134
St. Cloud	91	50	68.8	-.8	.91	.16	-1.85	.79	876	-45
Staples	87	50	68.0	.7	.98	.13	-1.52	.47	736	-92
Willmar	93	54	72.0	.8	.37	-.51	-3.31	-1.90	924	-98
<u>EC DIST 6</u>										
Aitkin	88	49	67.8	1.3	1.25	.18	-1.14	1.85	733	-49
Forest Lake	91	53	70.4	-.3	.67	-.36	-1.69	1.39	922	-71
MSP Airport	93	60	73.6	.5	1.64	.73	-2.10	-1.64	1061	-19
St. Paul - UofM	91	57	73.4	.1	1.00	-.01	-3.29	-2.48	1047	-67
<u>SW DIST 7</u>										
Lamberton	92	54	73.8	1.7	.02	-.80	-2.88	-1.61	996	-87
Pipestone	92	49	69.6	-1.8	0	-.77	-2.17	-.46	881	-131
Redwood Falls	95	58	74.2	.8	.01	-.86	-2.85	-1.00	997	-137
Worthington	91	54	73.3	2.3	.10	-.73	-2.58	1.50	979	-23
<u>SC DIST 8</u>										
Faribault	91	54	72.3	.9	.81	-.15	-2.41	1.01	944	-70
Mankato	91	56	73.0	1.0	.35	-.66	-3.84	-2.55	966	-92
Waseca	91	54	71.6	.3	.65	-.34	-2.64	-.27	965	-77
Winnebago	90	56	73.7	1.5	.09	-.84	-2.64	.39	1034	-43
<u>SE DIST 9</u>										
Preston	88	51	71.6	1.3	1.88	.82	-1.70	9.95	939	-27
Red Wing	90	55	72.2	.3	1.10	.13	-2.45	.68	972	-66
Rochester	87	55	70.2	.2	1.77	.73	-1.87	4.31	1000	43
Rosemount	89	56	71.4	.5	2.41	1.36	-1.71	1.15	929	-71
Winona	85	54	69.9	-4.8	2.64	1.69	-.11	6.66	934	-225

m=some data missing

Corn growing degree days (GDD) are calculated by subtracting a 50 degree base temperature from the average of the maximum and minimum temperature for the day. The daily maximum is limited to 86 degrees and minimum of 50 degrees.

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